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IN REPLY
REFER TO

DSCC-VAT

1 July 2004

MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

SUBJECT: Initial Draft of MIL-PRF-8805 /11J, /14F, /15G, /17G, /18G, /19F, /23G, /25F, /34E, /38G, /40H, /47G, /48H, /49H, /65D, /76H, /84E, /90F, /96E, /100F, /101K, /104C, /107C, /110D, and /114C.
Project numbers 5930-1838 through -1863.

The drafts of the above subject documents are being sent to you for review and comments. These drafts consist of the following changes:

Updating of referenced documents.
Incorporation of amendments.

If these documents are of interest to you, please provide your comments electronically. This can be in the form of a return e-mail, with or without an attached text file. A 45-day coordination cycle from the date of this letter has been allotted. Please provide your comments within that time period. If no comments are received in the allotted 45 day coordination cycle, concurrence is assumed and all comments received after will be held to the first amendment. If an electronic response is not possible we will still accept comments via letter, facsimile or phone call but only after you have contacted the project officer listed below. The draft documents can be found at the following DSCC-VA web page:

www.dsccl.dla.mil/Programs/MilSpec/initialdrafts.asp

This process still requires military departments to identify their comments as "Essential" or "Suggested". Essential comments must be justified with supporting data. Military review activities should forward comments to their custodians or this office, as applicable, in sufficient time to allow for consolidating the department reply.

If there are any questions, please contact Mark Rush by the preferred method of E-Mail at Mark.Rush@dlm.mil or by telephone at commercial 614-692-0550, DSN 850-0550; or by facsimile at 614-693-1644. Our mailing address as a last resort is Defense Supply Center, Columbus, DSCC-VAT, P.O. Box 3990, Columbus, OH 43216-5000. If you have further questions or concerns you may contact me at Kendall.Cottongim@dlm.mil, by telephone at 614-692-0676 or by facsimile at 614-692-6939.

/ SIGNED /
KENDALL A. COTTONGIM
Chief
Electronics Components Team



NOTE: This draft, dated July 1, 2004 prepared by DLA-CC,
has not been approved and is subject to modification.
DO NOT USE PRIOR TO APPROVAL.
(Project 5930-1857)

INCH-POUND
MIL-PRF-8805/96E
DRAFT
SUPERSEDING
MIL-PRF-8805/96D
3 September 1999

PERFORMANCE SPECIFICATION SHEET

SWITCHES, PUSH, MOMENTARY, SPST, 5 AMPERES

This specification is approved for use by all Depart-
ments and Agencies of the Department of Defense.

The complete requirements for acquiring the switches described herein
shall consist of this specification and the latest issue of MIL-PRF-8805.

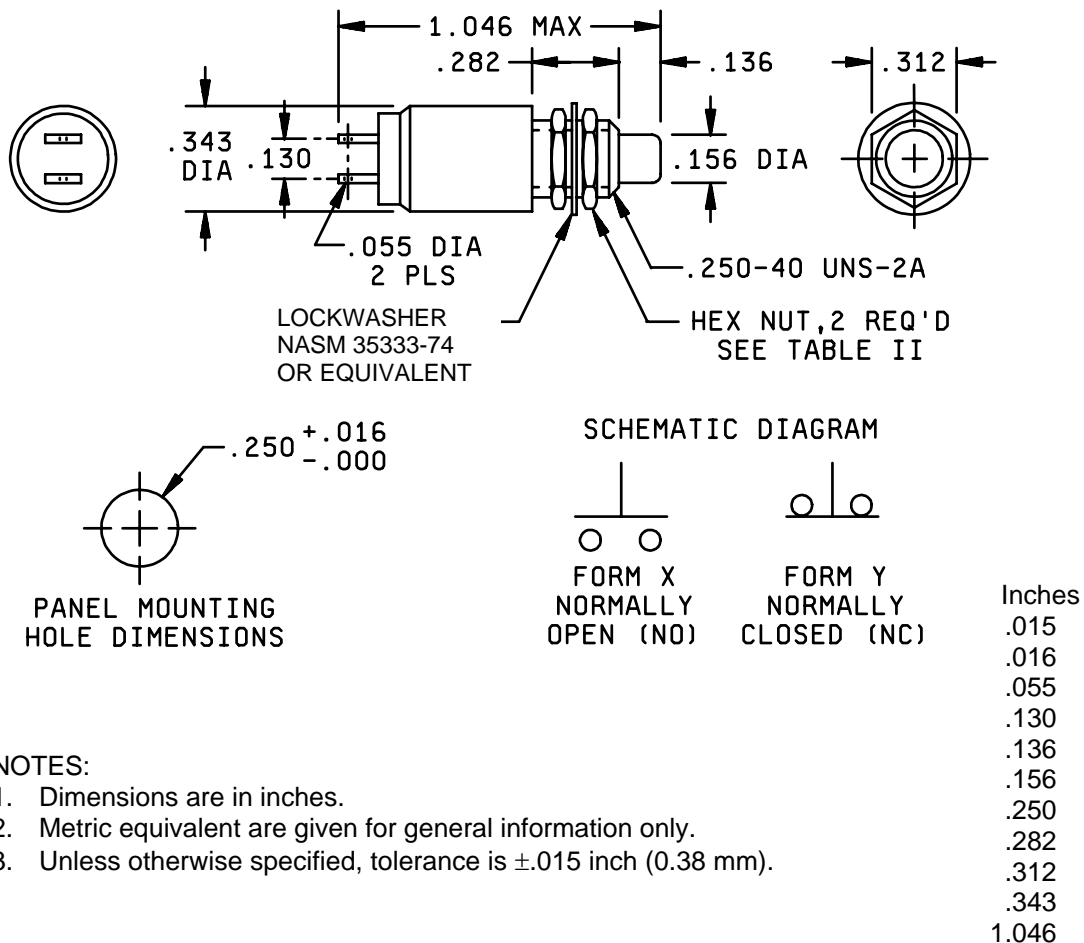


FIGURE 1. Dimensions and configurations.

REQUIREMENTS:

Dimensions and configurations: See figure 1.

Enclosure design: See table II.

Temperature characteristic: 1 (-55°C to +85°C).

Shock: MIL-STD-202, method 213, test condition C, 100 g, (half-sine).

Vibration grade: 2 (10 Hz to 2000 Hz, 15 g peak).

Weight: .010 pound maximum.

Operating characteristics:

Total plunger travel: .095 inch \pm .015.

Operating force:

Unsealed: 1.50 \pm .5 pounds.

Dust tight: 1.75 \pm .5 pounds.

Dielectric withstanding voltage:

Sea level: 1,000 V rms minimum initial. Following electrical endurance -200 V rms minimum.

Mechanical endurance: 50,000 cycles.

Low temperature cycling rate: 10 to 15 cycles per minute.

Electrical endurance: 25,000 cycles.

Electrical ratings: See table I.

Qualification:

Group submission – See table III.

MIL-PRF-8805/96E

TABLE I. Electrical ratings.

Loads	28 V dc	115 V ac, 60 Hz
Resistive	5.0 amperes	5.0 amperes
Inductive	2.0 amperes	2.0 amperes

Military part numbers: See table II.

TABLE II. Part numbers and characteristics.

Part number M8805/96	Plunger cap color	Circuit characteristics	Case color	Hex nut	Enclosure design
-001	Red	SPST-NO	Clear	<u>2/</u>	1 (unsealed)
-002	Black	SPST-NO	Clear	<u>2/</u>	1 (unsealed)
-003	Red	SPST-NC	Clear	<u>2/</u>	1 (unsealed)
-004	Black	SPST-NC	Clear	<u>2/</u>	1 (unsealed)
-005	Red	SPST-NO	Black	<u>1/</u>	1 (unsealed)
-006	Black	SPST-NO	Black	<u>1/</u>	1 (unsealed)
-007	Red	SPST-NC	Black	<u>1/</u>	1 (unsealed)
-008	Black	SPST-NC	Black	<u>1/</u>	1 (unsealed)
-009	Red	SPST-NO	Clear	<u>2/</u>	2 (dust tight)
-010	Black	SPST-NO	Clear	<u>2/</u>	2 (dust tight)
-011	Red	SPST-NC	Clear	<u>2/</u>	2 (dust tight)
-012	Black	SPST-NC	Clear	<u>2/</u>	2 (dust tight)
-013	Red	SPST-NO	Black	<u>1/</u>	2 (dust tight)
-014	Black	SPST-NO	Black	<u>1/</u>	2 (dust tight)
-015	Red	SPST-NC	Black	<u>1/</u>	2 (dust tight)
-016	Black	SPST-NC	Black	<u>1/</u>	2 (dust tight)

1/ MS25082-C14 or equivalent with black finish. Alternative base metals and protective finishes, as approved by the qualifying activity, may be utilized for hardware material.

2/ MS25082-C14 or equivalent. Alternative base metals and protective finishes, as approved by the qualifying activity, may be utilized for hardware material.

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TABLE III. Group qualification inspection.

Switches for testing	Number of sample units	Qualification inspection table of MIL-PRF-8805	Extent of approval
M8805/96-001	20	Group I All samples Group II 4 samples Group IV 2 samples Group V 2 samples Group VI 4 samples Group VII 8 samples	M8805/96-001 through M8805/96-016
M8805/96-004	8	Group I All samples Group VII 8 samples	
M8805/96-006	2	Group I All samples (visual and mechanical examination only) Group IV 2 samples	
M8805/96-009	12	Group I All samples Group II 4 samples Group III 2 samples Group VI 4 samples Group VIII 2 samples	

Marginal notations are not used in this revision to identify changes with respect to the previous issue.

Referenced Documents:

MIL-PRF-8805
MIL-STD-202
MS25082
NASM 35333

Custodians:

Army - CR
Navy - EC
Air Force - 11
DLA - CC

Preparing activity:
DLA - CC

(Project 5930-1857)

Review activities:

Army - AR, AV, MI
Navy - AS, MC, OS, SH
Air Force - 19, 99

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at www.dodssp.daps.mil.